

APPLICANTS: Worley et al.  
TITLE: METHOD OF SCREENING AGENTS THAT  
MODULATE A HOMER SIGNALING PATHWAY  
Application No.: 10/518,941 File Date: November 21, 2005  
Docket No.: JHU1880-1

atg ggg gaa caa cct atc ttc agc act cga gct cat gtc ttc cag atc  
gac cca aac aca aag aag aac tgg gta ccc acc agc aag cat gca gtt  
act gtg tct tat ttc tat gac agc aca agg aat gtg tat agg ata atc  
agt cta gac ggc tca aag gca ata ata aat agc acc atc act cca aac  
atg aca ttt act aaa aca tct caa aag ttt ggc caa tgg gct gat agc  
cg<sup>g</sup> gca aac act gtt tat gga ctg gga ttc tcc tct gag cat cat ctc  
tca aaa ttt gca gaa aag ttt cag gaa ttt aaa gaa gct gct cg<sup>g</sup> ctg  
gca aag gag aag tcg cag gag aag atg gaa ctg acc agt acc cct tca  
cag gaa tca gca gga gga gat ctt cag tct cct tta aca cca gaa agt  
atc aat ggg aca gat gat gag aga aca ccc gat gtg aca cag aac tca  
gag cca agg gct gag cca gct cag aat gca ttg cca ttt tca cat agg  
tac aca ttc aat tca gca atc atg att aaa (SEQ ID NO: 6)

**Figure 18**

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Met Gly Glu Gln Pro Ile Phe Ser Thr Arg Ala His Val Phe Gln Ile  
Asp Pro Asn Thr Lys Lys Asn Trp Val Pro Thr Ser Lys His Ala Val  
Thr Val Ser Tyr Phe Tyr Asp Ser Thr Arg Asn Val Tyr Arg Ile Ile  
Ser Leu Asp Gly Ser Lys Ala Ile Ile Asn Ser Thr Ile Thr Pro Asn  
Met Thr Phe Thr Lys Thr Ser Gln Lys Phe Gly Gln Trp Ala Asp Ser  
Arg Ala Asn Thr Val Tyr Gly Leu Gly Phe Ser Ser Glu His His Leu  
Ser Lys Phe Ala Glu Lys Phe Gln Glu Phe Lys Glu Ala Ala Arg Leu  
Ala Lys Glu Lys Ser Gln Glu Lys Met Glu Leu Thr Ser Thr Pro Ser  
Gln Glu Ser Ala Gly Gly Asp Leu Gln Ser Pro Leu Thr Pro Glu Ser  
Ile Asn Gly Thr Asp Asp Glu Arg Thr Pro Asp Val Thr Gln Asn Ser  
Glu Pro Arg Ala Glu Pro Ala Gln Asn Ala Leu Pro Phe Ser His Arg  
Tyr Thr Phe Asn Ser Ala Ile Met Ile Lys (SEQ ID NO: 7)

**Figure 19**